

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 10

Complete If Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher J. Nichols
Attorney Docket Number	015270-005912US

U.S. PATENT DOCUMENTS

Examiner	Cite No.	Document Number Number Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
✓	340	2002/0162129 A1	10-31-2002	Lannfelt	_____
	326	2002/0136718 A1	09-26-2002	Raso	_____
	326	2001/0102261 A1	08-01-2002	Raso	_____
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	320	5,593,846	01-14-1997	Schenk et al.	_____
✓	358	5,583,112 B2	12-10-1996	Kensil et al.	_____
✓	284	5,231,170	07-27-1993	Averback	_____

U.S. PATENT DOCUMENTS

Examiner	Cite No.	Document Number Number Kind Code ³ (if known)	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
✓	296	68/254,466	12-08-2000	Holtzman et al.	_____
	297	68/254,486	12-08-2000	Holtzman et al.	_____
	295	68/724,942	11-28-2000	Chaffour et al.	_____
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	282	68/160,687	12-08-1999	Chaffour	_____
	248	68/160,984	11-29-1999	Chaffour et al.	_____
✓	283	09/441,140	11-16-1999	Solomon et al.	_____
✓	289	68/160,286	03-01-2000	Rasmussen et al.	_____

Examiner
Signature

C. Nichols

Date
Considered

7/2/03

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TTC-PA 650-326-2422

NO. 1212 P. 15/23

PTD/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 10

Complete If Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schank
Art Unit	1847
Examiner Name	Christopher J. Nichols
Attorney Docket Number	015270-005912US

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [†]
		Country Code ²	Number ³	Kind Code ⁴ (if known)				
✓	351	WO	02/34878	A2	05-02-2002			
	352	WO	02/34777	A1	05-02-2002			
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	344	WO	01/80182	A2	11-29-2001			
	348	WO	01/77187	A2	10-18-2001			
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	301	WO	01/62284	A2	03-01-2000			
✓	331	WO	88/06546	A2	11-02-1898			
✓	227	WO	95/11008	A2	04-27-1995			

Examiner
Signature

C. Nichols

Date
Considered

7/22/03

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¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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FTO/SB/048 (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,575
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher J. Nichols
Sheet 3 of 10	Attorney Docket Number	Q15270-005812US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CSW	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <i>J. Mol. Biol.</i> , 225(4): 1075-1093 (1992).	
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	307	CHEN et al., "A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease." <i>Nature</i> , 408(6815):975-9 (2000).	
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Examiner Signature	Date Considered		7/22/03

* EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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NO. 1212 P. 17/23

PTO/SB/015 (10-01)

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,575
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		An Unit	1647
		Examiner Name	Christopher J. Nichols
Sheet 4 of 10	Attorney Docket Number	015270-005912US	

286	CORDELL, B., "β-Amyloid formation as a potential therapeutic target for Alzheimer's disease," <i>Ann. Rev. Pharmacol. Toxicol.</i> , 34:69-89 (1994).
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COVERED; DO NOT PRINT.

Examiner Signature	<i>[Signature]</i>	Date Considered	7/2/03
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Substitute for form 1448B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 5 of 10

Complete if Known

Application Number	08/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher J. Nichols
Attorney Docket Number	015270-005912US

248	FRENKEL et al., "N-terminal EFRH sequence of Alzheimer's β -amyloid peptide represents the epitope of its anti-aggregating antibodies," <i>J. of Neuroimmunology</i> , 88:85-90 (1998).
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Examiner
Signature

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NO. 1212 P. 19/23

PTO/SB/08B (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,575
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1847
		Examiner Name	Christopher J. Nichols
		Attorney Docket Number	015270-005912US
Sheet	6	of	10

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309	MATTSON, Cellular actions of beta-amyloid precursor protein and its soluble and fibrillogenic derivatives. <u>Physiol. Rev.</u> 77(4):1081-132 (1997).

Examiner Signature	<i>G. Wiles</i>	Date Considered	7/22/03
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STATEMENT BY APPLICANT**

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Sheet 7 of 10

Compl to Known

Application Number	08/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	015270-005912US

264	MCGEER, et al., "Immunohistochemical localization of beta-amyloid precursor protein sequences in Alzheimer and normal brain tissue by light and electron microscopy," <i>J. of Neuroscience Res.</i> , 31:428-442 (1992).	
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Examiner
SignatureDate
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/013 (10-01)

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Substitute for form 1448B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,575
		Filing Date	November 28, 2000
		First Named Inventor	Dele B. Schenk
		Art Unit	1847
		Examiner Name	Christopher J. Nichols
		Attorney Docket Number	015270-005912US
Sheet	8	of	10

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CONSIDERED; DO NOT PRINT.

Examiner Signature	<i>g. nichols</i>	Date Considered	7/22/03
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	08/724,575
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Christopher J. Nichols
		Attorney Docket Number	015270-005912US
Sheet	9	of	10

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Examiner Signature		Date Considered	7/22/03
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Substitute for form 1449B/PTO				Complete if Known	
				Application Number	09/724,575
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	November 28, 2000
				First Named Inventor	Dale B. Schenk
				Art Unit	1647
				Examiner Name	Christopher J. Nichols
				Attorney Docket Number	015270-005912US
Sheet	10	of	10		

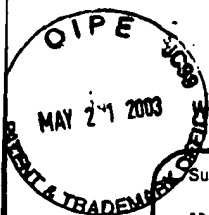
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Examiner Signature		Date Considered	7/22/03
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005912US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ESD	349	CLARK, "Battle of the Mind," <u>Nature</u> , 422:370-372 (March 2003).	—
ESD	350	Nicoll et al., "Neuropathology of human Alzheimer's disease after immunization with amyloid- β peptide: a case report," <u>Nature Medicine</u> , 9(4):448-452 (April 2003).	—

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Examiner Signature		Date Considered	7/14/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 10

Complete If Known

Application Number 09/724,575
Filing Date November 28, 2000
First Named Inventor Dale B. Schenk et al.
Group Art Unit 1632 K44
Examiner Name Not Yet Assigned Nichols
Attorney Docket Number 15270J-005912US



U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
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CS	1	6,057,367		Stamler et al.	05-02-2000	
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CS	22	5,605,811		Seubert et al.	02-25-1997	
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CS	24	5,571,500		Hafler et al.	11-05-1996	
CS	25	5,571,499		Hafler et al.	11-05-1996	
CS	175	5,441,870		Seubert, et al.	08-15-1995	
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CS	181	5,270,165		Van Nostrand et al.	12-14-1993	
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CS	30	5,208,036		Eppstein et al.	05-04-1993	
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Examiner Signature *[Signature]* Date Considered 11/15/02

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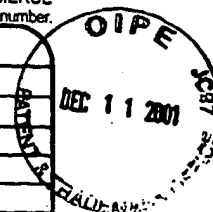
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if known

Sheet 2 of 10

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	4632-1617
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US



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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
35 " " " " " " " "	35	EP	911 036	A2		04-28-1999		
	36	EP	868 918	A2		10-07-1998		
	37	EP	883 211	A1		09-09-1998		
	38	EP	845 270	A1		06-03-1998		
	39	EP	782 859	A1		07-09-1997		
40 41 42 43 44 45 46 47 48 49 50 51 52	40	EP	683 234	A1		11-22-1995		
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61	PCT	98/07850	A2		02-26-1998			

Examiner Signature	<i>G. Moore</i>	Date Considered	11/15/02
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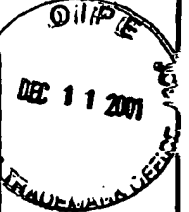
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 10

Complete if Known

Application Number 09/724,575
Filing Date November 28, 2000
First Named Inventor Dale B. Schenk et al.
Group Art Unit 1892-4647
Examiner Name Not Yet Assigned Nicholas
Attorney Docket Number 15270J-005912US



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88	PCT	89/06242	A1	07-13-1989
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92	GB	2 220 211	A	01-04-1990
93	GB	2 335 192	A	09-15-1999

Examiner Signature *[Signature]* Date Considered 11/5/02

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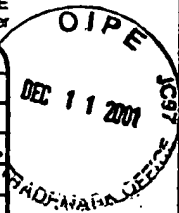
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Application Number	09/724,575														
Filing Date	November 28, 2000														
First Named Inventor	Dale B. Schenk et al.														
Group Art Unit	1692- Not														
Examiner Name	Not Yet Assigned Nichols														
Attorney Docket Number	15270J-005912US														
Sheet	4	of	10												



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Examiner Initials *	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CSO	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?", <i>Neurology</i> , 45:1441-1445 (1995).	<input type="checkbox"/>
CSO	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <i>The Boston Globe</i> (4/13/95).	<input type="checkbox"/>
CSO	96	BAUER et al., "Interleukin-6 and α-2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <i>FEBS Letters</i> , 285(1):111-114 (1991).	<input type="checkbox"/>
GNW	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <i>Eur. J. Immunol.</i> , 29:345-354 (1999).	<input type="checkbox"/>
GNW	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <i>Soc. for Neuroscience Abstracts</i> 18:764 (1992).	<input type="checkbox"/>
GNW	176	BARD et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nature Medicine</i> , 6(8):916-919 (2000).	<input type="checkbox"/>
CSO	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <i>New England J. Medicine</i> , 341(22):1694 (1999).	<input type="checkbox"/>
CSO	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <i>Biochem. Biophys. Res. Comm.</i> , 171(2):890-897 (1990).	<input type="checkbox"/>
CSO	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <i>Neuron</i> , 19: 939-945 (1997).	<input type="checkbox"/>
GNW	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <i>Cur. Opin. Genet. Develop.</i> , 3: 102-109 (1993).	<input type="checkbox"/>
GNW	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717: Val->Ile) in 85 cases of early onset Alzheimer's disease," <i>J. Neurology, Neurosurg. Psychiatry</i> , 56:112-115 (1993).	<input type="checkbox"/>
GNW	102	CHAO et al., "Transforming Growth Factor-β Protects human Neurons Against β-Amyloid-Induced Injury," <i>Soc. Neurosci. Abstracts</i> , 19:513.7 (1993).	<input type="checkbox"/>
GNW	213	CHEN et al. "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <i>Neuroscience Letters</i> 125:223-226 (1991).	<input type="checkbox"/>
GNW	214	DEMATOS et al., "Peripheral Anti Aβ Antibody Alters CNS And Plasma Aβ Clearance and Decreases Brain Aβ Burden in a Mouse Model of Alzheimer's Disease," <i>Proc. Natl. Acad. Sci. USA</i> , 10, 1073/pnas.151261398 (2001).	<input type="checkbox"/>
GNW	103	DUFF et al., "Mouse model made," <i>Nature</i> , 373: 476-477 (1995).	<input type="checkbox"/>

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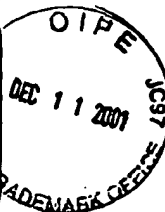
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Sheet 5 of 10

Complete If Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1682 R47
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US



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Application Number 09/724,575
Filing Date November 28, 2000
First Named Inventor Dale B. Schenk et al.
Group Art Unit 1632-1647
Examiner Name Not Yet Assigned Nichols
Attorney Docket Number 15270J-005912US

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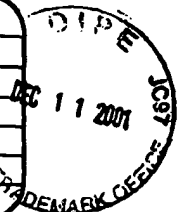
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Application Number 09/724,575
Filing Date November 28, 2000
First Named Inventor Dale B. Schenk et al.
Group Art Unit 4692-1647
Examiner Name Not Yet Assigned Nicholas
Attorney Docket Number 15270J-005912US



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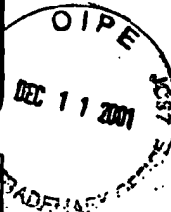
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Sheet 8 of 10

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Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632 KAT
Examiner Name	Not Yet Assigned
Attorney Docket Number	15270J-005912US



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Sheet 9 of 10

Complete If Known

Application Number 09/724,575
Filing Date November 28, 2000
First Named Inventor Dale B. Schenk et al.
Group Art Unit 4692 1647
Examiner Name Not Yet Assigned Nichols
Attorney Docket Number 15270J-005912US



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Signature

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Considered

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,575
		Filing Date	November 28, 2000
		First Named Inventor	Dale B. Schenk et al.
		Group Art Unit	1632-1647
		Examiner Name	Not Yet Assigned - Nichols
Sheet 10 of 10	Attorney Docket Number	15270J-005912US	

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GW	171	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <u>J. Food Drug Analysis</u> , 6(2):465-476 (1998).	—
GW	172	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <u>Nature Biotech.</u> , 18:868-874 (2000).	—
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GW	173	WOOD et al., "Amyloid precursor protein processing and Aβ42 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94: 1550-1555 (1997).	—
	174	Human Immunology & Cancer Program brochure, from The University of Tennessee Medical Center Graduate School of Medicine, Knoxville, Tennessee (publication date unknown).	—

Examiner Signature		Date Considered	11/15/02
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